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TABLE 1

LIST OF ACRONYMS
USED IN THIS REPORT

MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

B/Ns+15	Priority Pollutant base/neutral extractable organic compounds plus 15 additional non-priority Pollutant base/neutral extractable compounds.
BTX&E	Benzene, Toluene, Xylene, and Ethylbenzene
EP	Extraction Procedures
mg/l	Milligrams per liter (roughly parts per million)
ug/l	Micrograms per liter (roughly parts per billion)
MCL	Maximum Contaminant Level
OVA	Organic Vapor Analyzer
PADER	Pennsylvania Department of Environmental Resources
PCBs	Polychlorinated Biphenyls
PID	Photoionization Detector
ppb	Parts per billion
ppm	Parts per million
RCRA	Resource Conservation and Recovery Act
TCA	1,1,1-Trichloroethane
TCE	Trichloroethylene
TPH	Total Petroleum Hydrocarbons
USEPA	United States Environmental Protection Agency
USGS	United States Geological Society
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds
VOCs+15	Volatile Organic Compounds plus 15 additional non-Priority Pollutant Volatile Organic Compounds

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TABLE 2

SUMMARY OF TANK DATA

MACK TRUCKS, INC.
ASSEMBLY PLANT 5A AND 5C
ALLENTOWN, PENNSYLVANIA

Tank No. ¹	Capacity (Gal)	Contents	Age ² (Yrs)	Tank Test Information ³ (Date Tested, Result)	Date Removed	Comments ⁴
1	5,000	No. 2 Oil	27	Not Tested	1/26/88	UST 1 had been abandoned in-place in 1972.
2	10,000	No. 2 Oil	16	4/5/86, Tight	2/5/88	UST 2 was excavated and relocated in 1979 when an extension to Building 5A was built.
3	3,000	Gasoline	10	3/17/86, Tight	1/22/88	UST 3 replaced a previous tank that was found to have developed a leak.
4	20,000	No. 2 Oil	12	Not Tested	4/86	UST 4 was not removed under this scope of work.
5	15,000	No. 2 Oil/ Anti-freeze	12	Not Tested	4/86	UST 5 was not removed under this scope of work.
6	12,000	Gasoline	60	3/17/86, Tight	2/19/88	
7	12,000	Diesel	60	3/18/86, Tight	2/19/88	
8	2,000	Gasoline	27	Not Tested	1986	UST 8 was not removed under this scope of work.
9	8,000	Waste Solvents	16	3/18/86, Tight	2/22/88	
10	10,000	No. 2 Oil	15	4/5/86, Tight	2/5/88	
11	10,000	Diesel	34	3/22/86, Tight	2/5/88	
12	10,000	Gear Oil	34	3/22/86, Tight	2/5/88	
13	10,000	Motor Oil	34	3/22/86, Tight	2/5/88	
14	10,000	Anti-freeze	34	4/19/86, Tight	2/5/88	
15	4,000	Gasoline	22	3/17/86, Tight	1/25/88	
16	4,000	Gasoline	22	3/17/86, Tight	1/25/88	
17	15,000	No. 2 Oil	14	4/5/86, Tight	1/25/88	
18	15,000	No. 2 Oil	12	4/5/86, Tight	2/5/88	
19	15,000	Gun Cleaner	12	3/18/86, Tight	2/19/88	
20	15,000	No. 6 Oil	20	Not Tested	5/86	UST 20 was not removed under this scope of work.
21	30,000	Propane	Unknown	Not Tested	-	Aboveground. (Not removed)
22	500	No. 2 Fuel Oil	Unknown	Not Tested	-	Aboveground. (Not removed)
23	30,000	No. 6 Fuel Oil	Unknown	Not Tested	-	Aboveground. (Not removed under this scope of work)
24	500	Propane	Unknown	Not Tested	-	Aboveground. (Not removed under this scope of work)
25	1,000	No. 2 Oil	Unknown	3/18/86, Tight	2/9/88	
26	8,000	Paint	12	Not Tested	2/19/88	
27	11,000	Gasoline/	60	Not Tested	2/29/88	UST 27 had been abandoned in-place in 1972.
28	40,000	No. 6 Fuel Oil	Unknown	Not Tested	-	On ground. (Not removed)

Explanation:

- 1 The tank numbers refer to those of the buried tanks shown on Figure 4.
 2 Approximate age at the time of removal.
 3 Tanks indicated as "tight" met the criteria established by the National Fire Protection Association (NFPA), Bulletin 329. The NFPA criterion for a leaking tank is 0.05 gal/hr of product loss or more. Although a tank may test "tight," it may leak at a rate as high as 0.049 gal/hr. The piping leading to or from the tanks was not tested.
 4 Based on records from Mack's file.

Note:

All tanks are made of steel

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TABLE 3

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SUMMARY OF THE ANALYTICAL DATA FOR SURFACE SOIL SAMPLES
NEAR TRANSFORMERS
ASSEMBLY DIVISION PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

August 5, 1987*

<u>SAMPLE DESIGNATION</u>	<u>Arachlor-1260 (ppm)</u>	<u>Minimum Detection Limit (ppm)</u>
<u>Dyno-Building</u>		
DB-1	BMDL	0.3
DB-2	BMDL	0.3
<u>Old Transformers</u>		
OT-1	BMDL	0.3
OT-2	BMDL	3.0
<u>Main Bank</u>		
MB-1	BMDL	0.3
MB-2	BMDL	0.3
MB-3	BMDL	0.3
MB-4	BMDL	0.3
MB-5	BMDL	0.3
MB-6	2.23	0.3
<u>Boiler House-West</u>		
BHW-1	BMDL	0.3
BHW-2	0.51	0.3
BHW-3	BMDL	0.3
BHW-4	BMDL	0.3
BHW-5	0.80	0.3
<u>Boiler House-East</u>		
BHE-1	7.0	0.3
BHE-2	0.47	0.3
AT-28-A*	BMDL	.33-.6
AT-28-B*	BMDL	.33-.6
AT-28-C*	BMDL	.33-.6

Explanation:

* = On February 25, 1988, the samples designated as AT-28-A, AT-28-B, and AT-28-C were collected from the bottom of the soil excavation in the area of soil sample BHE-1

BMDL = Below Minimum Detection Limit

Notes:

1. Laboratory analyses performed by Spotts, Stevens, and McCoy, Inc. of Reading, Pennsylvania except the AT-28 samples, which were analyzed by NET (Century) Laboratory of Thorofare, New Jersey.
2. All samples were collected on August 5, 1987.
3. Every soil sample was analyzed for all Priority Pollutant PCBs.

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TABLE 4
SUMMARY OF ANALYTICAL DATA FOR SOIL SAMPLES
FROM AREA A
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	A-1,A-2	*A-1,A-2	A-3	A-3,A-4	A-4	A-5	A-6	*A-6	A-1,A-2,A-6	Minimum
Linear Feet of Soil Composited	13.2	13.2	12.1	13.7	1.6	9.6	11.1	11.1	24.3	Detection
Date Collected	8/05/87	8/05/87	8/04/87	8/04/87	8/04/87	7/30/87	8/05/87	8/05/87	8/05/87	Level

ORGANIC COMPOUNDS

Volatile Organic Compounds-
Priority Pollutants (ppm)

	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<u>Total Volatile Organic Compounds (ppm)</u>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Volatile Organic Compounds-
Tentatively Identified (ppm)

	NT	NT	NT	NT	NT	NT	NT	NT	NT	NA
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Base/Neutral Extractables-
Priority Pollutant (ppm)

Anthracene	BMDL	BMDL	3.4	NT	BMDL	BMDL	0.2	BMDL	NT	0.2
Benzo (A) anthracene	BMDL	0.42	BMDL	NT	BMDL	BMDL	BMDL	BMDL	NT	0.8
Benzo (A) pyrene	BMDL	0.37	BMDL	NT	BMDL	BMDL	BMDL	BMDL	NT	0.3
Benzo (B) fluoranthene	BMDL	0.85	BMDL	NT	BMDL	BMDL	BMDL	BMDL	NT	0.3
Benzo (G,H,I)perylene	BMDL	0.25J	BMDL	NT	BMDL	BMDL	BMDL	BMDL	NT	0.5
Bis(2-ethylhexyl) phthalate	0.3	1.80	0.8	NT	0.6	1.2	3.6	5.9	NT	0.3
Chrysene	BMDL	0.44	BMDL	NT	BMDL	BMDL	BMDL	BMDL	NT	0.3
Diethylphthalate	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	0.17J	NT	0.3
Di-n-butyl phthalate	BMDL	BMDL	0.4	NT	BMDL	BMDL	0.3	BMDL	NT	0.3
Indeno (1,2,3-C,D)pyrene	BMDL	0.23J	BMDL	NT	BMDL	BMDL	BMDL	BMDL	NT	0.4
Fluoranthene	BMDL	0.56	4.0	NT	BMDL	BMDL	BMDL	BMDL	NT	0.3
Phenanthrene	BMDL	0.18J	BMDL	NT	BMDL	BMDL	BMDL	BMDL	NT	0.6
Pyrene	BMDL	0.51	4.8	NT	BMDL	BMDL	BMDL	BMDL	NT	0.2
<u>Total Base/Neutral Extractables (ppm)</u>	0.3	5.61	13.4	NT	0.6	1.2	4.1	6.07	NT	NA

Base/Neutral Extractables-
Tentatively Identified (ppm)

Alkanes	7.5	IT	1.0	NT	3.7	1.7	0.7	ND	NT	NA
2,4,6-Trimethyl-octane	NS	0.14	ND	NT	ND	ND	NS	ND	NT	NA
2,6,10,15-Tetramethyl heptadecane	NS	0.17	ND	NT	ND	ND	NS	ND	NT	NA

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TABLE 4

SUMMARY OF ANALYTICAL DATA FOR SOIL SAMPLES
FROM AREA A
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	A-1,A-2	*A-1,A-2	A-3	A-3,A-4	A-4	A-5	A-6	*A-6	A-1,A-2,A-6	Minimum
Linear Feet of Soil Compositied	13.2	13.2	12.1	13.7	1.6	9.6	11.1	11.1	24.3	Detection
Date Collected	8/05/87	8/05/87	8/04/87	8/04/87	8/04/87	7/30/87	8/05/87	8/05/87	8/05/87	Level
<u>Total Phenols (ppm)</u>	BMDL	BMDL	84.1	NT	84.9	BMDL	BMDL	BMDL	NT	50
<u>Priority Pollutant PCBs (ppm)</u>	CMP-6	BMDL	CMP-4	BMDL	CMP-3	BMDL	CMP-1,2	BMDL	BMDL	1.5
INORGANICS										
<u>Priority Pollutant Metals (ppm)</u>										
Arsenic	18.7	9.2	15.6	NT	14.9	35.6	27.7	0.70	NT	0.168
Antimony	BMDL	5.7	BMDL	NT	BMDL	BMDL	BMDL	BMDL	NT	42.1
Beryllium	BMDL	0.35	BMDL	NT	BMDL	BMDL	BMDL	0.60	NT	2.52
Cadmium	BMDL	3.1	BMDL	NT	62.3	BMDL	BMDL	BMDL	NT	2.52
Chromium	30.5	35	18.5	NT	254	18.7	16.3	9.3	NT	0.841
Copper	124	117	187	NT	6947	21.3	56.2	16	NT	7.57
Lead	382	250	314	NT	10375	BMDL	76.2	31	NT	16.8
Mercury	0.090	0.19	0.110	NT	0.450	BMDL	0.070	0.21	NT	0.050
Nickel	34.8	19	41.1	NT	826	21.9	40.8	13	NT	8.41
Thallium	BMDL	0.17	BMDL	NT	BMDL	BMDL	BMDL	0.15	NT	42.1
Zinc	246	200	167	NT	7180	70.3	151	69	NT	1.68
<u>Cyanide (ppm)</u>	BMDL	0.48	BMDL	NT	0.82	BMDL	BMDL	0.10	NT	0.50

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TABLE 4

SUMMARY OF ANALYTICAL DATA FOR SOIL SAMPLES
FROM AREA A
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Explanation:

BMDL = Below Minimum Detection Limit

CPM-# = Sample Compositing. Example - Sample A-1, A-2 is composited with Sample A-6 for Priority Pollutant PCBs Analysis.

NT = Not Tested

ND = Not Detected

NS = Not Specified. These compounds were tested for under their group name of Alkanes - not individually.

IT = Individually Tested. CompuChem tested members of the alkane group individually not as a group.

J = Estimated concentration; values are between the detection limit and one half of that limit.

* = Laboratory analyses performed by CompuChem Laboratories of Research Triangle Park, North Carolina.

NA = Not Applicable

Notes:

1. Laboratory analyses performed by Spotts, Stevens, and McCoy, Inc. of Reading, Pennsylvania.
2. The chemical compounds included in this table are those that were detected in one or more of the samples. A complete listing of the compounds for which the samples were analyzed is in Volume III.
3. Tentatively Identified compounds are the 40 next largest gas chromatograph peaks other than the priority pollutants. These peaks are compared to a library of known compounds for a "best fit."
4. CompuChem Laboratories originally reported their findings in parts per billion. Spotts, Stevens, and McCoy, Inc. reported in parts per million. CompuChem results were therefore converted to parts per million for comparison.

TABLE 5
SUMMARY OF ANALYTICAL DATA FOR SOIL SAMPLES
FROM AREA B
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	B-1	B-2, B-3	B-4	B-5	B-6, B-7	B-8	B-9, B-10	B-11	B-12	B-13	B-14	Minimum
Linear Feet of Soil Composited	5.1	9.7	5.1	3.1	11.2	4.1	6.7	12.6	9.6	8.6	3.6	Detection
Date Collected	8/03/87	8/04/87	8/03/87	8/03/87	8/04/87	7/31/87	7/31/87	7/31/87	7/27/87	7/24/87	8/04/87	Limit

ORGANIC COMPOUNDS

Volatile Organic Compounds-
Priority Pollutants (ppm)

Chloroform	BMDL	NT	BMDL	NT	NT	0.08	NT	BMDL	NT	NT	NT	0.025
<u>Total Volatile Organic Compounds (ppm)</u>	BMDL	NT	BMDL	NT	NT	0.08	NT	BMDL	NT	NT	NT	NA

Volatile Organic Compounds-
Tentatively Identified (ppm)

Hexane	ND	NT	ND	NT	NT	0.028	NT	ND	NT	NT	NT	NA
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Base/Neutral Extractables-
Priority Pollutant (ppm)

Anthracene	BMDL	BMDL	1.3	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	0.6	0.2
Bis(2-ethylhexyl) phthalate	1.6	0.6	0.9	2.7	0.9	1.2	1.3	0.7	1.2	BMDL	1.6	0.3
Di-n-butyl phthalate	3.9	1.7	2.4	3.6	4.3	1.5	0.3	BMDL	1.9	0.5	3.3	0.3
Fluoranthene	BMDL	BMDL	1.0	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	0.3
Isophorane	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	0.3
Pyrene	BMDL	BMDL	0.8	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	0.2
<u>Total Base/Neutral Extractables (ppm)</u>	5.5	2.3	6.4	6.3	5.2	2.7	1.6	0.7	3.1	0.5	5.5	NA

Base/Neutral Extractables-
Tentatively Identified (ppm)

Alkanes	1.1	0.5	5.2	ND	BMDL	0.6	ND	ND	0.8	ND	11.8	NA
<u>Total Phenols (mg/kg)</u>	BMDL	58.8	82.9	BMDL	BMDL	BMDL	60.8	50.8	BMDL	51.2	88.3	50
<u>Priority Pollutant PCBs (ppm)</u>												
PCB 1260	0.48	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	1.5

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TABLE 5
SUMMARY OF ANALYTICAL DATA FOR SOIL SAMPLES
FROM AREA B
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	B-1	B-2, B-3	B-4	B-5	B-6, B-7	B-8	B-9, B-10	B-11	B-12	B-13	B-14	Minimum
Linear Feet of Soil Compositied	5.1	9.7	5.1	3.1	11.2	4.1	6.7	12.6	9.6	8.6	3.6	Detection
Date Collected	8/03/87	8/04/87	8/03/87	8/03/87	8/04/87	7/31/87	7/31/87	7/31/87	7/27/87	7/24/87	8/04/87	Limit

INORGANICS

Priority Pollutant Metals (ppm)

Arsenic	10.7	11.6	21.9	33.4	19.6	40.4	43.9	41.1	23.3	11.6	33.5	0.168
Beryllium	BMDL	BMDL	BMDL	BMDL	BMDL	7.85	3.01	4.39	3.79	BMDL	BMDL	2.52
Cadmium	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	2.52
Chromium	12.4	14.4	28.4	20.4	14.3	16.1	18.3	23.7	22.2	27.7	65.4	0.84
Copper	15.5	15.3	24.1	28.0	18.2	25.2	30.5	24.7	24.0	38.0	24.2	7.57
Lead	BMDL	BMDL	50.3	BMDL	43.1	BMDL	19.4	BMDL	BMDL	29.1	47.4	16.8
Mercury	BMDL	BMDL	BMDL	BMDL	BMDL	0.050	BMDL	BMDL	BMDL	BMDL	.080	0.05
Nickel	9.18	26.5	22.6	29.4	29.2	47.1	33.9	24.2	24.2	32.2	35.1	8.41
Zinc	53.4	49.9	265	176	68.1	164	96.6	121	44.6	101	92.5	1.68

<u>Cyanide (ppm)</u>	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	0.50
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Explanation:

NA = Not Applicable
BMDL = Below Minimum Detection Limit
NT = Not Tested
ND = Not Detected

Notes:

1. Laboratory analyses performed by Spotts, Stevens, and McCoy, Inc. of Reading, Pennsylvania.
2. The chemical compounds included in this table are those that were detected in one or more of the samples. A complete listing of the compounds for which the samples were analyzed is in Volume III.
3. Tentatively Identified compounds are the 40 next largest gas chromatograph peaks other than the priority pollutants. These peaks are compared to a library of known compounds for a "best fit."

TABLE 6

SUMMARY OF ANALYTICAL DATA FOR SOIL SAMPLES
FROM AREA C
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	C-1	C-1, C-2	C-2	C-3	C-3; 4-12, 14-15.6	C-4	C-5	C-6	C-6,C-7	C-7	C-8	Minimum Detection Limit
Linear Feet of Soil Composited	2.1	13.7	11.6	15.6	9.6	5.6	6.6	8.6	19.2	10.6	6.6	
Date Collected	7/27/87	7/27/87	7/27/87	7/28/87	7/28/87	7/30/87	7/29/87	7/28/87	7/28/87	7/28/87	7/29/87	
ORGANIC COMPOUNDS												
<u>Volatile Organic Compounds-</u>												
<u>Priority Pollutants (ppm)</u>	NT	NT	NT	NT	BMDL	NT	NT	NT	NT	NT	BMDL	0.025
<u>Total Volatile Organic Compounds (ppm)</u>	NT	NT	NT	NT	BMDL	NT	NT	NT	NT	NT	BMDL	NA
<u>Volatile Organic Compounds-</u>												
<u>Tentatively Identified (ppm)</u>	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	ND	NA
<u>Base/Neutral Extractables-</u>												
<u>Priority Pollutant (ppm)</u>												
Bis(2-ethylhexyl) phthalate	0.3	NT	1.2	1.8	NT	2.4	2.1	4.4	NT	0.6	1.1	0.3
Di-n-butyl phthalate	0.5	NT	BMDL	0.5	NT	1.1	0.6	0.3	NT	0.4	0.8	0.3
<u>Total Base/Neutral Extractables (ppm)</u>	0.8	NT	1.2	2.3	NT	3.5	2.7	4.7	NT	1.0	1.9	NA
<u>Base/Neutral Extractables-</u>												
<u>Tentatively Identified (ppm)</u>												
Alkanes	1.1	NT	2.0	1.8	NT	1.2	1.3	0.5	NT	1.2	2.4	NA
<u>Total Phenols (ppm)</u>	53.5	NT	55.7	63.1	NT	BMDL	52.6	55.5	NT	63.2	57.4	50
<u>Priority Pollutant PCBs (ppm)</u>												
PCB-1260	CMP-2	0.46	CMP-1	BMDL	NT	BMDL	BMDL	CMP-7	BMDL	CMP-6	BMDL	1.5

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TABLE 6

SUMMARY OF ANALYTICAL DATA FOR SOIL SAMPLES
FROM AREA C
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	C-1	C-1, C-2	C-2	C-3	C-3; 4-12, 14-15.6	C-4	C-5	C-6	C-6, C-7	C-7	C-8	Minimum
Linear Feet of Soil Composited	2.1	13.7	11.6	15.6	9.6	5.6	6.6	8.6	19.2	10.6	6.6	Detection
Date Collected	7/27/87	7/27/87	7/27/87	7/28/87	7/28/87	7/30/87	7/29/87	7/28/87	7/28/87	7/28/87	7/29/87	Limit

INORGANICS

Priority Pollutant Metals (ppm)

Arsenic	14.9	NT	20.6	18.2	NT	48.7	17.4	22.5	NT	27.3	34.1	0.168
Beryllium	BMDL	NT	BMDL	BMDL	NT	3.01	BMDL	3.65	NT	BMDL	BMDL	2.52
Cadmium	BMDL	NT	13.9	BMDL	NT	BMDL	BMDL	BMDL	NT	BMDL	BMDL	2.52
Chromium	22.1	NT	89.7	24.6	NT	16.0	9.86	21.4	NT	18.6	22.9	0.841
Copper	29.5	NT	150	24.1	NT	23.9	23.7	28.5	NT	28.4	17.8	7.57
Lead	58.0	NT	1370	43.5	NT	26.6	32.9	48.1	NT	17.2	BMDL	16.8
Mercury	0.050	NT	0.070	BMDL	NT	0.130	0.070	0.050	NT	0.060	BMDL	0.05
Nickel	18.7	NT	26.6	20.4	NT	30.5	32.5	31.0	NT	31.6	34.2	8.41
Zinc	146	NT	854	75.1	NT	86.8	135	181	NT	91.5	74.3	1.68

<u>Cyanide (ppm)</u>	BMDL	NT	BMDL	BMDL	NT	BMDL	BMDL	BMDL	NT	BMDL	BMDL	0.50
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Explanation:

NA = Not Applicable

BMDL = Below Minimum Detection Limit

CPM-# = Sample Compositing. Example - Sample C-1 is composited with Sample C-2 for Priority Pollutant PCBs.

NT = Not Tested

ND = Not Detected

Notes:

1. Laboratory analyses performed by Spotts, Stevens, and McCoy, Inc. of Reading, Pennsylvania.
2. The chemical compounds included in this table are those that were detected in one or more of the samples. A complete listing of the compounds for which the samples were analyzed is in Volume III.
3. Tentatively Identified compounds are the 40 next largest gas chromatograph peaks other than the priority pollutants. These peaks are compared to a library of known compounds for a "best fit."

TABLE 7
SUMMARY OF ANALYTICAL DATA FOR SOIL SAMPLES
FROM AREA D
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	D-1, D-2	D-3	Minimum
Linear Feet of Soil Composited	8.7	6.6	Detection
Date Collected	7/24/87	7/24/87	Limit

ORGANIC COMPOUNDS

<u>Volatile Organic Compounds-</u>			
<u>Priority Pollutants (ppm)</u>	NT	NT	0.025
<u>Total Volatile Organic Compounds (ppm)</u>	NT	NT	NA
<u>Volatile Organic Compounds-</u>			
<u>Tentatively Identified (ppm)</u>	NT	NT	NA
<u>Base/Neutral Extractables-</u>			
<u>Priority Pollutant (ppm)</u>			
Bis(2-ethylhexyl)phthalate	0.9	BMDL	0.3
Di-n-butyl phthalate	1.5	0.3	0.3
Di-n-octylphthalate	0.4	BMDL	0.3
<u>Total Base/Neutral Extractables (ppm)</u>	2.8	0.3	NA
<u>Base/Neutral Extractables-</u>			
<u>Tentatively Identified (ppm)</u>	ND	ND	NA
<u>Total Phenols (mg/kg)</u>	72.1	67.2	50
<u>Priority Pollutant PCBs (ppm)</u>	BMDL	BMDL	1.5

INORGANICS

<u>Priority Pollutant Metals (ppm)</u>			
Arsenic	31.9	9.27	0.168
Beryllium	BMDL	3.83	2.52
Chromium	22.4	13.1	0.841
Copper	18.5	30.0	7.57
Lead	BMDL	16.8	16.8
Nickel	13.5	24.4	8.41
Zinc	61.1	190	1.68
<u>Cyanide (ppm)</u>	BMDL	BMDL	0.50

Explanation:

BMDL = Below Minimum Detection Limit
NT = Not Tested
ND = Not Detected
NA = Not Applicable

Notes:

1. Laboratory analyses performed by Spotts, Stevens, and McCoy, Inc. of Reading, Pennsylvania.
2. The chemical compounds included in this table are those that were detected in one or more of the samples. A complete listing of the compounds for which the samples were analyzed is in Volume III.
3. Tentatively Identified compounds are the 40 next largest gas chromatograph peaks other than the priority pollutants. These peaks are compared to a library of known compounds for a "best fit."

TABLE 8
SUMMARY OF ANALYTICAL DATA FOR SOIL SAMPLES
FROM AREA E, OUTSIDE PLANT 5C
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	E-1	E-2	E-1,E-2,E-4	E-3	E-4	E-4;17-20.6	E-5	E-6	E-7	E-8	E-3,5,6,8	Minimum
Linear Feet of Soil Compositied	7.6	3.6	31.8	9.1	17.0	3.6	1.1	1.1	0.0	3.6	14.9	Detection
Date Collected	7/23/87	7/23/87	7/23/87	7/22/87	7/23/87	7/24/87	7/22/87	7/23/87	7/23/87	7/22/87	7/23/87	Limit
ORGANIC COMPOUNDS												
<u>Volatile Organic Compounds-</u> <u>Priority Pollutants (ppm)</u>	NT	NT	NT	BMDL	NT	NT	NT	NT	N O S A M P L E	NT	NT	0.025
<u>Total Volatile Organic Compounds (ppm)</u>	NT	NT	NT	BMDL	NT	NT	NT	NT		NT	NT	NA
<u>Volatile Organic Compounds-</u> <u>Tentatively Identified (ppm)</u>	NT	NT	NT	ND	NT	NT	NT	NT		NT	NT	NA
<u>Base/Neutral Extractables-</u> <u>Priority Pollutant (ppm)</u>												
Bis(2-ethylhexyl) phthalate	2.2	1.7	NT	1.5	6.3	2.3	1.5	2.8	R	1.2	NT	0.3
Di-n-butyl phthalate	0.9	1.5	NT	0.6	1.3	0.7	.4	1.2	E	0.7	NT	0.3
Di-n-octylphthalate	1.0	1.4	NT	0.4	0.7	1.4	1.7	0.9	T	BMDL	NT	0.3
Naphthalene	BMDL	BMDL	NT	1.1	BMDL	BMDL	BMDL	BMDL	R	BMDL	NT	0.2
<u>Total Base/Neutral Extractables (ppm)</u>	4.1	4.6	NT	3.6	8.3	4.4	3.6	4.9	I	1.9	NT	NA
<u>Base/Neutral Extractables-</u> <u>Tentatively Identified (ppm)</u>									E			
									V			
									E			
									D			
Alkanes	4.4	0.6	NT	12	ND	ND	ND	ND		ND	NT	NA
<u>Total Phenols (ppm)</u>	BMDL	BMDL	NT	BMDL	BMDL	59.8	BMDL	BMDL		BMDL	NT	50
<u>Priority Pollutant PCBs (ppm)</u>												
PCB-1260	CMP-2,4	CMP-1,4	BMDL	CMP-5, 6,8	CMP-1,2	BMDL	CMP-3, 6,8	CMP-3, 5,8		CMP-3, 5,6	BMDL	1.5

ORIGINAL
(Red)

TABLE 8
SUMMARY OF ANALYTICAL DATA FOR SOIL SAMPLES
FROM AREA E, OUTSIDE PLANT 5C
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	E-1	E-2	E-1,E-2,E-4	E-3	E-4	E-4;17-20.6	E-5	E-6	E-7	E-8	E-3,5,6,8	Minimum
Linear Feet of Soil Composited	7.6	3.6	31.8	9.1	17.0	3.6	1.1	1.1	0.0	3.6	14.9	Detection
Date Collected	7/23/87	7/23/87	7/23/87	7/22/87	7/23/87	7/24/87	7/22/87	7/23/87	7/23/87	7/22/87	7/22/87	Limit
INORGANICS												
<u>Priority Pollutant Metals (ppm)</u>												
Arsenic	17.2	9.59	NT	28.4	18.3	13.8	26.2	27.6	N			
Beryllium	BMDL	BMDL	NT	3.27	BMDL	3.97	4.21	BMDL	O			
Cadmium	BMDL	BMDL	NT	BMDL	BMDL	BMDL	BMDL	BMDL	S			
Chromium	19.5	22.8	NT	30.5	25.4	23.8	47.7	35.8	A	14.3	NT	0.168
Copper	31.7	15.5	NT	38.9	27.0	31.1	35.5	31.0	M	3.77	NT	2.52
Lead	27.3	BMDL	NT	79.8	BMDL	19.1	130	BMDL	P	BMDL	NT	2.52
Mercury	BMDL	BMDL	NT	0.090	BMDL	BMDL	BMDL	0.060	L	17.6	NT	0.841
Nickel	23.1	17.5	NT	30.6	28.6	44.4	29.1	31.4	E	18.2	NT	7.57
Zinc	101	82.4	NT	134	114	101	163	142		BMDL	NT	16.8
<u>Cyanide (ppm)</u>												
	BMDL	BMDL	NT	BMDL	BMDL	BMDL	BMDL	BMDL	R	0.060	NT	0.05
									E	16.3	NT	8.41
									T	53.4	NT	1.68
									R			
									I	BMDL	NT	0.50
									E			
									V			
									E			
									D			

Explanation:

BMDL = Below Minimum Detection Limit

CMP-# = Sample Compositing. Example - Sample E-1 is composited with Sample E-2 and E-4 for Priority Pollutant PCBs analysis.

NT = Not Tested

ND = Not Detected

NA = Not Applicable

Notes:

1. Laboratory analyses performed by Spotts, Stevens, and McCoy, Inc. of Reading, Pennsylvania.
2. The chemical compounds included in this table are those that were detected in one or more of the samples. A complete listing of the compounds for which the samples were analyzed is in Volume III.
3. Sample designation E-7 had no recovery.
4. Tentatively Identified compounds are the 40 next largest gas chromatograph peaks other than the priority pollutants. These peaks are compared to a library of known compounds for a "best fit."

TABLE 9
SUMMARY OF ANALYTICAL DATA FOR SOIL SAMPLES
FROM AREA E, INSIDE PLANT 5C
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	E-9	E-10	E-11	E-12	E-10,11,12	E-13	E-14	E-15	E-16	E-13,14,15,16	E-17	E-18	E-19	E-17,18,19	Minimum
Linear Feet of Soil Composited	8.6	10.8	9.3	9.6	29.7	5.1	2.1	1.6	3.1	11.9	9.1	9.6	1.9	20.6	Detection
Date Collected	8/3/87	7/31/87	7/31/87	7/30/87	7/31/87	7/29/87	7/29/87	7/29/87	7/29/87	7/29/87	7/28/87	7/28/87	7/28/87	7/28/87	Limit
ORGANIC COMPOUNDS															
<u>Volatile Organic Compounds-</u> <u>Priority Pollutants (ppm)</u>	NT	NT	NT	NT	NT	NT	NT	BMDL	NT	NT	NT	NT	NT	NT	0.025
<u>Total Volatile Organic Compounds (ppm)</u>	NT	NT	NT	NT	NT	NT	NT	BMDL	NT	NT	NT	NT	NT	NT	NA
<u>Volatile Organic Compounds-</u> <u>Tentatively Identified (ppm)</u>	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NA
<u>Base/Neutral Extractables-</u> <u>Priority Pollutant (ppm)</u>															
Bis(2-ethylhexyl) phthalate	0.3	BMDL	BMDL	BMDL	NT	0.4	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	NT	0.3
Di-n-butyl phthalate	1.6	BMDL	BMDL	BMDL	NT	0.5	BMDL	BMDL	BMDL	0.3	NT	BMDL	0.5	0.3	0.3
Di-n-octylphthalate	BMDL	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	0.3
Isophorone	0.3	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	0.3
Naphthalene	BMDL	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	0.2
<u>Total Base/Neutral Extractables (ppm)</u>	2.2	BMDL	BMDL	BMDL	NT	0.9	BMDL	BMDL	0.3	NT	BMDL	0.5	0.3	NT	NA
<u>Base/Neutral Extractables-</u> <u>Tentatively Identified (ppm)</u>															
Alkanes	1.2	BMDL	BMDL	0.4	NT	2.9	1.4	0.7	1.7	NT	0.32	2.1	1.5	NT	NA
<u>Total Phenols (ppm)</u>	62.4	54.4	BMDL	57.0	NT	63.6	59.3	57.6	74.8	NT	62.0	58.0	109	NT	50
<u>Priority Pollutant PCBs (ppm)</u>															
PCB-1260	1.04	CMP-11, 12	CMP-10, 12	CMP-10, 11	0.30	CMP-14, 15, 16	CMP-13 15, 16	CMP-13, 14, 16	CMP-13, 14, 15	BMDL	CMP-18, 19	CMP-17, 19	CMP-17, 18	BMDL	1.5

ORIGINAL
(Red)

TABLE 9
SUMMARY OF ANALYTICAL DATA FROM SOIL SAMPLES
FROM AREA E, INSIDE PLANT 5C
ASSEMBLY PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	E-9	E-10	E-11	E-12	E-10,11,12	E-13	E-14	E-15	E-16	E-13,14,15,16	E-17	E-18	E-19	E-17,18,19	Minimum
Linear Feet of Soil Compositied	8.6	10.8	9.3	9.6	29.7	5.1	2.1	1.6	3.1	11.9	9.1	9.6	1.9	20.6	Detection
Date Collected	8/3/87	7/31/87	7/31/87	7/30/87	7/30/87	7/29/87	7/29/87	7/29/87	7/29/87	7/29/87	7/28/87	7/28/87	7/28/87	7/28/87	Limit

INORGANICS

Priority Pollutant Metals (ppm)

Arsenic	33.0	63.2	26.5	52.5	NT	47.1	51.7	18.9	29.1	NT	37.4	29.1	17.8	NT	0.168
Beryllium	BMDL	6.76	2.60	BMDL	NT	3.47	3.48	BMDL	BMDL	NT	BMDL	BMDL	BMDL	NT	2.52
Cadmium	8.01	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	NT	2.52
Chromium	88.6	34.5	18.1	22.6	NT	20.2	14.4	14.4	33.2	NT	21.9	25.9	20.6	NT	0.841
Copper	132	25.3	26.3	34.0	NT	44.2	36.3	22.3	22.5	NT	86.3	35.3	27.5	NT	7.57
Lead	501	50.2	BMDL	20.5	NT	475	17.1	20.6	BMDL	NT	49.7	25.0	27.8	NT	16.8
Mercury	0.07	0.060	BMDL	0.070	NT	0.050	0.060	0.050	0.050	NT	BMDL	BMDL	BMDL	NT	0.05
Nickel	29.8	34.1	29.0	62.8	NT	39.0	43.4	19.3	22.0	NT	16.4	53.7	27.5	NT	8.41
Silver	BMDL	BMDL	BMDL	BMDL	NT	8.8	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	NT	5.05
Zinc	563	112	107	207	NT	146	91.8	293	78	NT	133	88.7	185	NT	1.68

Cyanide (ppm)

0.70	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	BMDL	NT	BMDL	BMDL	BMDL	NT	0.50
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Explanation:

BMDL = Below Minimum Detection Limit

CPM-# = Sample Compositing. Example - Sample E-10 is composited with Sample E-11 and E-12 for Priority Pollutant PCBs analysis.

NT = Not Tested

ND = Not Detected

Notes:

1. Laboratory analysis performed by Spotts, Stevens, and McCoy, Inc. of Reading, Pennsylvania.
2. The chemical compounds included in this table are those that were detected in one or more of the samples. A complete listing of the compounds for which the samples were analyzed is in Volume III.
3. Sample designation G-5 had no recovery.
4. Tentatively Identified compounds are the 40 next largest gas chromatograph peaks other than the priority pollutants. These peaks are compared to a library of known compounds for a "best fit."

TABLE 10

SUMMARY OF ANALYTICAL DATA FROM SOIL SAMPLES
OF AREA F
PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	F-1	F-2	F-3	F-4	F-5	F-6	F-7	Minimum
Linear Feet of Soil Composited	1.1	5.6	1.1	2.1	1.8	0.6	1.9	Detection
Date Collected	7/24/87	7/21/87	7/27/87	7/27/87	7/27/87	7/28/87	7/29/87	Limit
ORGANIC COMPOUNDS								
<u>Volatile Organic Compounds-</u> <u>Priority Pollutants</u> (ppm)	NT	NT	NT	NT	NT	NT	NT	0.025
<u>Volatile Organic Compounds-</u> <u>Tentatively Identified</u> (ppm)	NT	NT	NT	NT	NT	NT	NT	NA
<u>Base/Neutral Extractables-</u> <u>Priority Pollutant</u> (ppm)								
Di-n-butyl phthalate	BMDL	BMDL	BMDL	1.7	1.6	BMDL	1.2	0.3
<u>Total Base/Neutral Extractables</u> (ppm)	BMDL	BMDL	BMDL	1.7	1.6	BMDL	1.2	NA
<u>Base/Neutral Extractables-</u> <u>Tentatively Identified</u> (ppm)								
Alkanes	ND	ND	0.7	1.3	0.8	0.6	1.8	NA
<u>Total Phenols</u> (ppm)	77.2	BMDL	87.2	BMDL	BMDL	67.9	BMDL	50
<u>Priority Pollutant PCBs</u> (ppm)	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	1.5

ORIGINAL
(Red)

TABLE 10

SUMMARY OF ANALYTICAL DATA FROM SOIL SAMPLES
OF AREA F
PLANT 5C
MACK TRUCKS, INC.
ALLENTOWN, PENNSYLVANIA

Sample Designation	F-1	F-2	F-3	F-4	F-5	F-6	F-7	Minimum
Linear Feet of Soil Compositied	1.1	5.6	1.1	2.1	1.8	0.6	2.1	Detection
Date Collected	7/24/87	7/21/87	7/27/87	7/27/87	7/27/87	7/28/87	7/29/87	Limit

INORGANICS

Priority Pollutant Metals (ppm)

Arsenic	3.34	7.46	9.79	10.6	6.59	7.94	8.08	0.168
Beryllium	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	2.52
Chromium	9.28	13.5	30.7	16.4	12.8	17.6	14.4	0.841
Copper	9.91	12.4	20.6	38.9	11.2	14.8	19.2	7.57
Lead	BMDL	BMDL	73.1	BMDL	BMDL	BMDL	BMDL	16.8
Mercury	BMDL	BMDL	BMDL	BMDL	BMDL	0.05	BMDL	0.05
Nickel	BMDL	BMDL	28.8	26.4	BMDL	15.4	BMDL	8.41
Thallium	48.5	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	42.1
Zinc	15.3	29.6	89.5	87.9	33.7	36.9	43.8	1.68

Cyanide (ppm)

BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	BMDL	0.50
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Explanation:

- NA = Not Applicable
BMDL = Below Minimum Detection Limit
ND = Not Detected
NT = Not Tested

Notes:

1. Laboratory analyses performed by Spotts, Stevens, and McCoy, Inc. of Reading, Pennsylvania.
2. The chemical compounds included in this table are those that were detected in one or more of the samples. A complete listing of the compounds for which the samples were analyzed is in Volume III.
3. Tentatively Identified compounds are the 40 next largest gas chromatograph peaks other than the priority pollutants. These peaks are compared to a library of known compounds for a "best fit."